# USB 2.0 Cardbus Adapter RC600

User Manual

## OVERVIEW

This USB 2.0 CardBus Card provides a simple and affordable way to add four Hi-Speed USB ports to your laptop. The card supports all USB 1.1 and USB 2.0 devices. USB devices continue to operate at USB 1.1 speeds (12 Mbps). USB 2.0 devices operate at speeds up to 480 Mbps.

## GENERAL FEATURES

- 4 built-in type A USB 2.0 connections
- Features VIA VT6212L USB 2.0 host controller
- Fully backwards compatible to USB 1.1
- Support 500mA power to each USB port
- Supports up to 127 downstream USB devices
- Supports 32-bit CardBus PC Card Type II slot
- Supports high speed data transfer rates of up to 480 Mbps
- Hot Swappable – Plug-n-Play
- USB 1.1 and USB 2.0 compliant

## SYSTEM REQUIREMENTS

**For PC**

- Windows 98SE, ME, 2000, XP
- Available 32 bit PCMCIA slot(CardBus slot)

## Cautions

1. Use only switching power adapter with following specifications:
   *Switching AC adapter with output DC 5V, 2A*
   Polarity: outside negative voltage (-) & inside positive voltage (+);

   3.5mm power jack; length: 9-9.5mm
2. Plug switching power adapter to wall outlet before you connect the PC CARD to your computer.

## Package contents

- 1 x USB 2.0 CardBus Adaptor
- 1 x Driver CD
- 1 x User Manual

## DRIVERS INSTALLATION:

**Windows 98 SE Installation**

Make sure your Windows is Windows 98 Second Edition by checking the "**Properties**" of "**My Computer**". If you can find "Second Edition", you have Windows 98 Second Edition.

Please follow the procedure to install the VIA VT6212L PCMCIA 4 port USB 2.0 card. Make sure you external USB devices are not connected when installing the card.

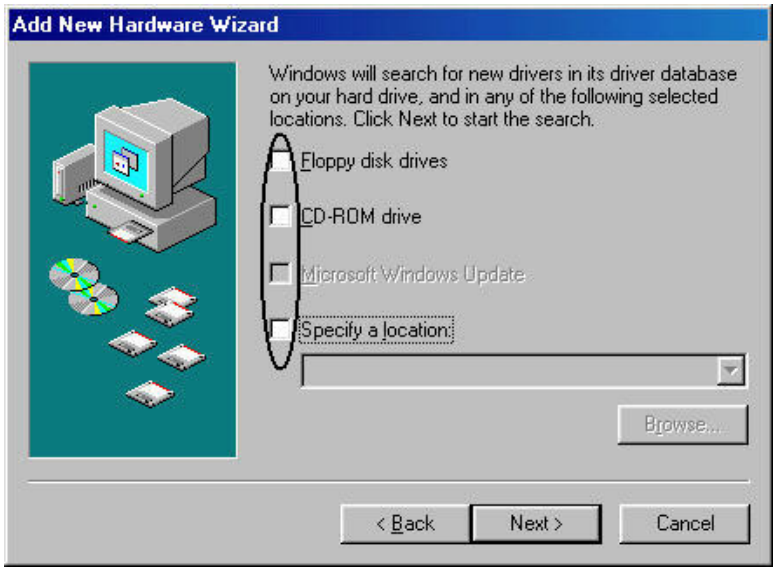
1. Locate an available CardBus slot on your notebook, and insert the USB 2.0 CardBus card into the slot.
2. Start the notebook. Windows will detect the CardBus card and find a "**VIA Tech 3038 PCI to USB Universal Host Controller"** device. Click **[Next]**.

Add New Hardware Wizard
This wizard searches for new drivers for:
VIA Tech 3038 PCI to USB Universal Host Controller
A device driver is a software program that makes a hardware device work.
< Back
Next >
Cancel

3. When asking for what to do. Select **[Search for the best driver for your device (Recommended)]** and click **[Next]**.

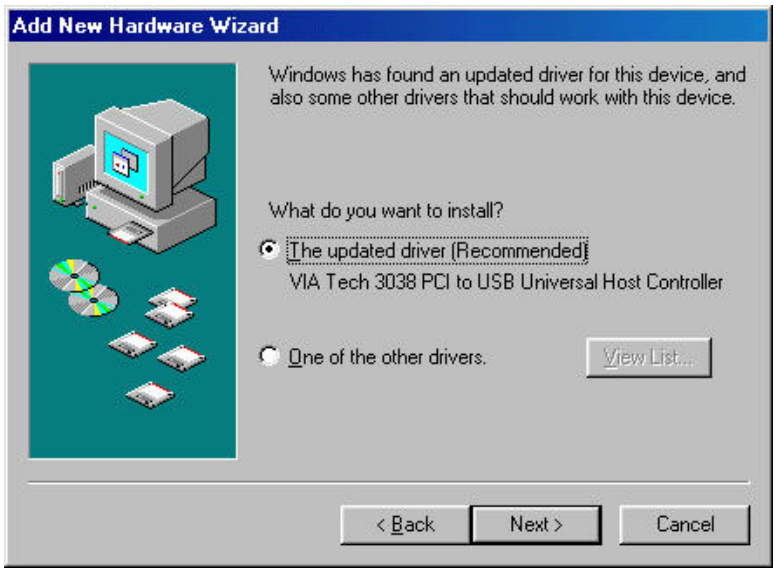
Add New Hardware Wizard
What do you want Windows to do?
Search for the best driver for your device. (Recommended).
Display a list of all the drivers in a specific location, so you can select the driver you want.
< Back
Next >
Cancel

4. When asking for driver location, uncheck all boxes and let Windows search its own driver database. Click **[Next]**.


Add New Hardware Wizard
Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.
Floppy disk drives
CD-ROM drive
Microsoft Windows Update
Specify a location:
Browse...
< Back
Next >
Cancel

5. When asking for which driver to install, select **[The updated driver(Recommended) VIA Tech 3038 PCI to USB Universal Host Controller]** and click **[Next]**.

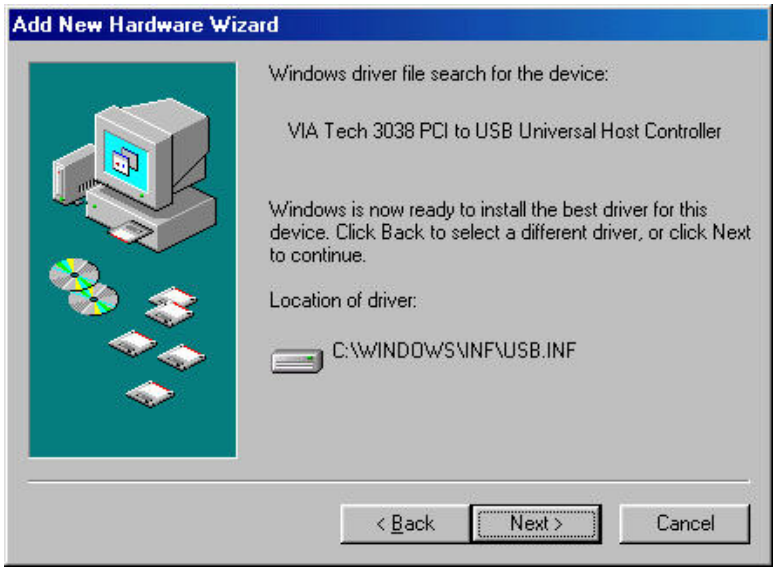
6. Click **[Next]** again to confirm the driver and begin installation.


Add New Hardware Wizard
Windows has found an updated driver for this device, and also some other drivers that should work with this device.
What do you want to install?
The updated driver (Recommended)
VIA Tech 3038 PCI to USB Universal Host Controller
One of the other drivers.
View List...
< Back
Next >
Cancel

7. When installing the driver, this screen may appear. Insert the Windows 98 SE CD-ROM into the **CD-ROM** drive and click **[OK].**

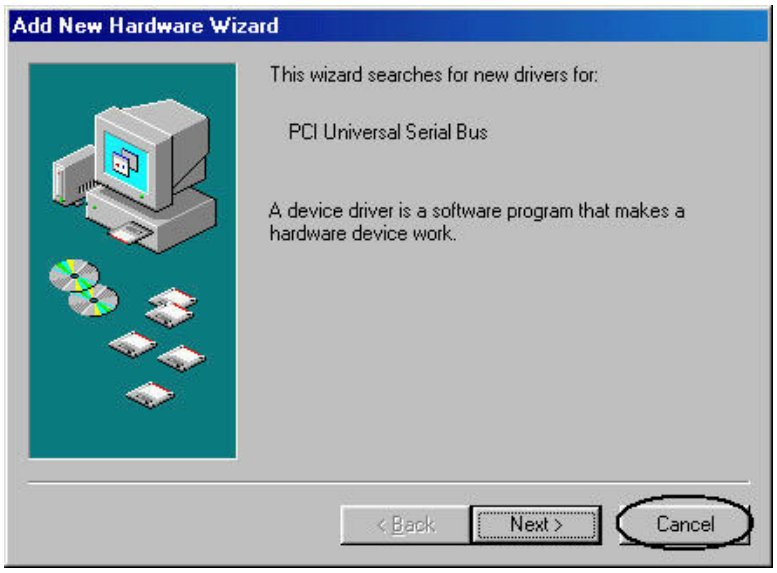
8. If the following windows appears, type "**D:\WIN98**" or "**C:\Windows\options\cabs**" in the **Copy files from** box, where "**D**" means the **CD-ROM** drive. After that, click **[OK]**. If your CD-ROM drive is not "**D**", you must replace "**D**" to the appropriate drive name.

9. After driver installation finished, click **[Finish].**

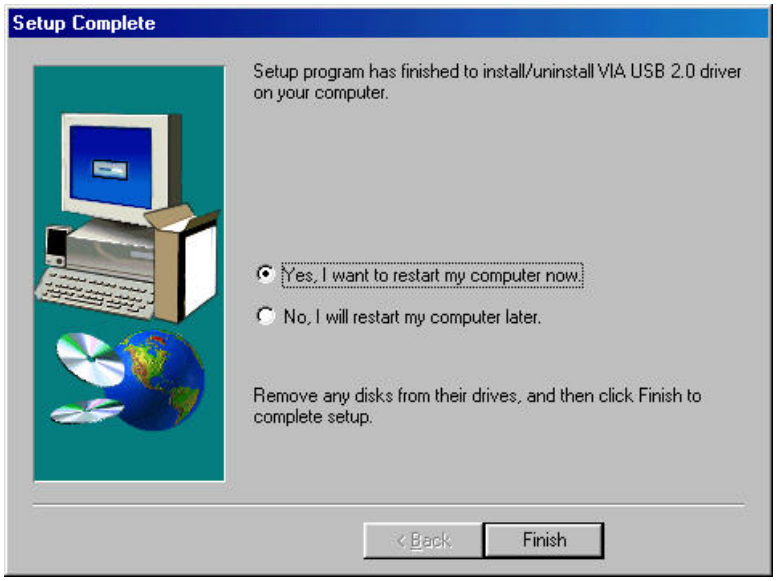

Add New Hardware Wizard
Windows driver file search for the device:
VIA Tech 3038 PCI to USB Universal Host Controller
Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue.
Location of driver:
C:\WINDOWS\INF\USB.INF
< Back
Next >
Cancel

10. Next, you will see Windows find a **"VIA Tech 3038 PCI to USB Universal Host Controller"** device again. Repeat the above process for the second **VIA Tech 3038 PCI to USB Universal Controller.**

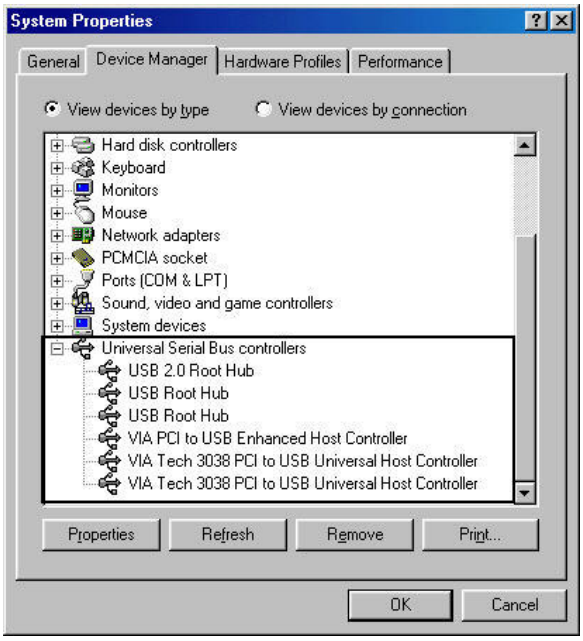
11. Next, you will see Windows find a **"PCI Universal Serial Bus"** device. Click **[Cancel]** to cancel the driver installation for this device at this moment. We will install driver at next step.


Add New Hardware Wizard
This wizard searches for new drivers for:
PCI Universal Serial Bus
A device driver is a software program that makes a hardware device work.
< Back
Next >
Cancel

12. Please open the VIA VT6212L PCMCIA CardBus Driver Folder "**\RC-600**" on the **Driver CD**, then double-click the installation file "**Setup.exe**". Follow on-screen instruction, then reboot. This will automatically install the driver for the **"PCI Universal Serial Bus"** device you found on step 11.


Setup Complete
Setup program has finished to install/uninstall VIA USB 2.0 driver on your computer.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
< Back
Finish

13. Once you have rebooted, your USB 2.0 CardBus Card is ready for operation. Open **Device Manager**, you will see the newly installed devices below.

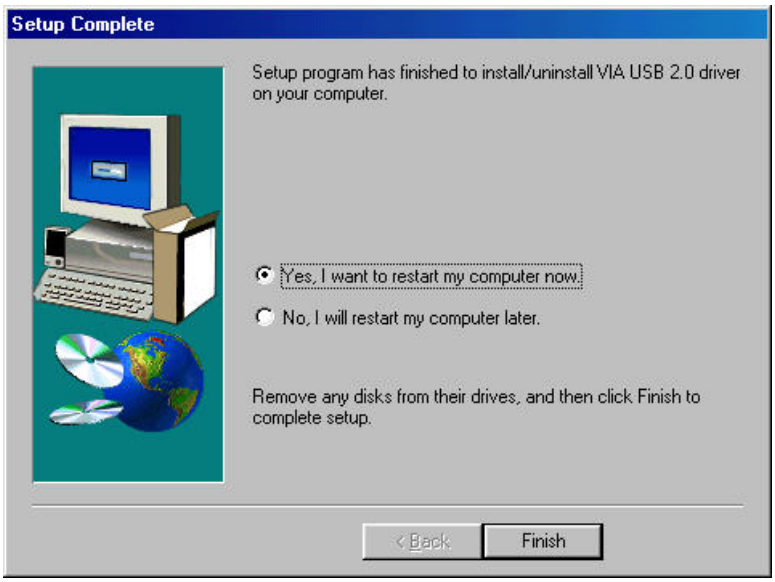



**Windows ME Installation**

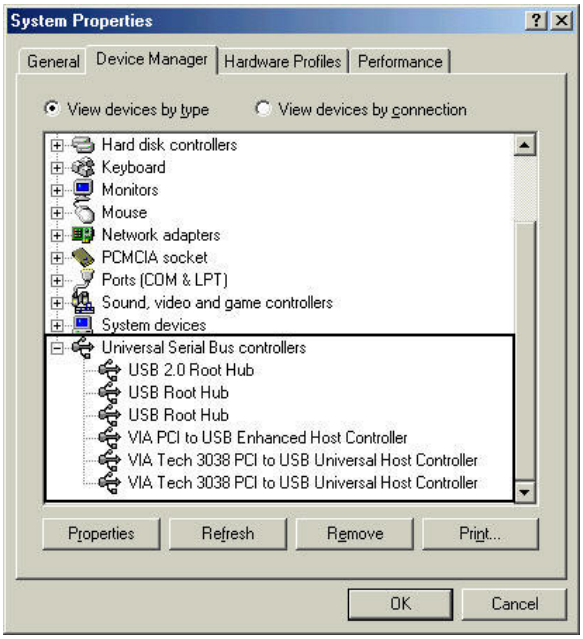
1. Locate an available CardBus slot on your notebook, and insert the USB 2.0 CardBus card into the slot.
2. Start the notebook. Windows will detect the Cardbus card and automatically install drivers for all known USB devices. Follow the installation to restart the computer.

System Settings Change
To finish setting up your new hardware, you must restart your computer.
Do you want to restart your computer now?
Yes
No

3. After you have rebooted, Please open the VIA VT6212L PCMCIA CardBus Driver Folder "**\RC-600**" on the **Driver CD**, then double-click the installation file "**Setup.exe**". Follow on-screen instruction, then reboot. This will automatically install driver for the **"PCI Universal Serial Bus"** device you found on step 3.


Setup Complete
Setup program has finished to install/uninstall VIA USB 2.0 driver on your computer.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
< Back
Finish

4. Once you have rebooted, your USB 2.0 CardBus Card is ready for operation. Open **Device Manager**, you will see the newly installed devices below.




**Windows 2000 Installation**

To use the VIA VT6212L PCMCIA 4 port USB 2.0 Card on Windows 2000, follow the steps through.

Windows 2000 operating system natively support this PCMCIA 4 port USB 2.0 Card-**No Drivers are necessary!**

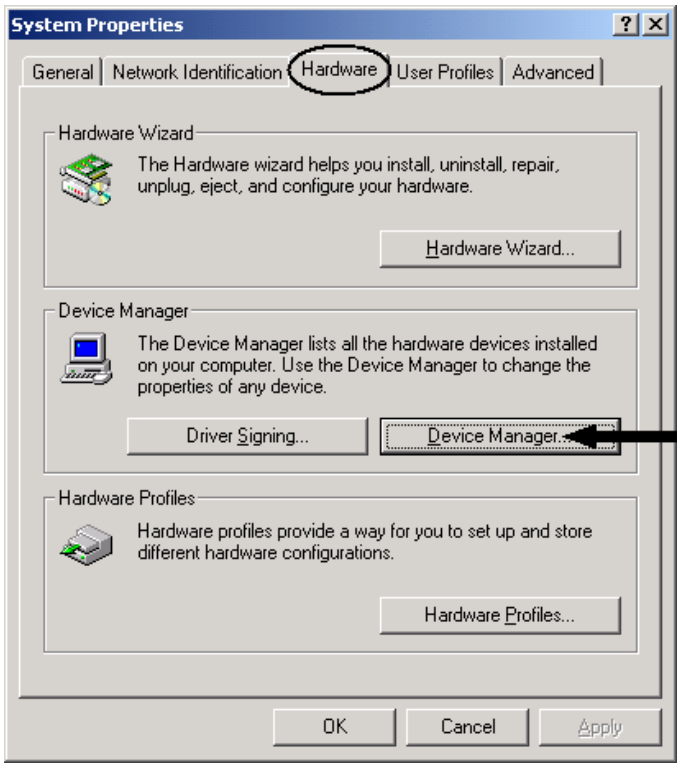
However, please ensure you have the latest Service Pack installed…

• Windows 2000 – Service Pack 4

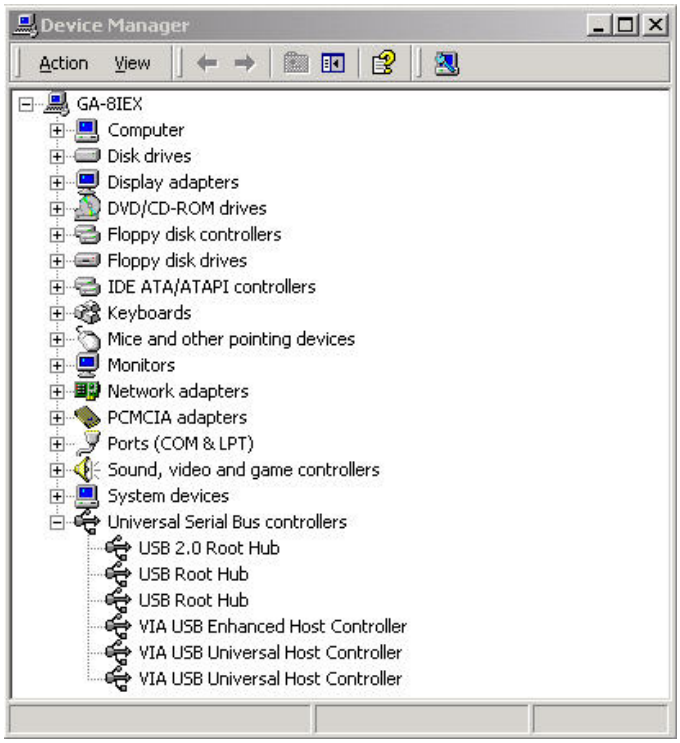
**Confirming the Installation of the Driver**

When you start the Notebook PC, the drivers are installed automatically by the Hardware Wizard. To confirm the driver Installation, follow the steps through.

1. Click **My Computer** with the right button of the mouse.
2. Select **Properties**.
3. You will see this screen. Click the **Hardware** tab.
4. Click the **"Device Manager"** button.


System Properties
General
Network Identification
Hardware
User Profiles
Advanced
Hardware Wizard
The Hardware wizard helps you install, uninstall, repair, unplug, eject, and configure your hardware.
Hardware Wizard...
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Driver Signing...
Device Manager...
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles...
OK
Cancel
Apply

5. Confirm there are no visible yellow "!" marks or red "X" marks in front of the **"USB 2.0 Root Hub"**, **"USB Root Hub"**, **"USB Root Hub", "VIA USB Enhanced Host Controller", "VIA USB Universal Host Controller", "VIA USB Universal Host Controller"** string under **Universal Serial Bus controllers**.




**Windows XP Installation**

To use the VIA VT6212L PCMCIA 4 port USB 2.0 Card on Windows XP, follow the steps through.

Windows XP operating system natively support this PCMCIA 4 port USB 2.0 Card-**No Drivers are necessary!**

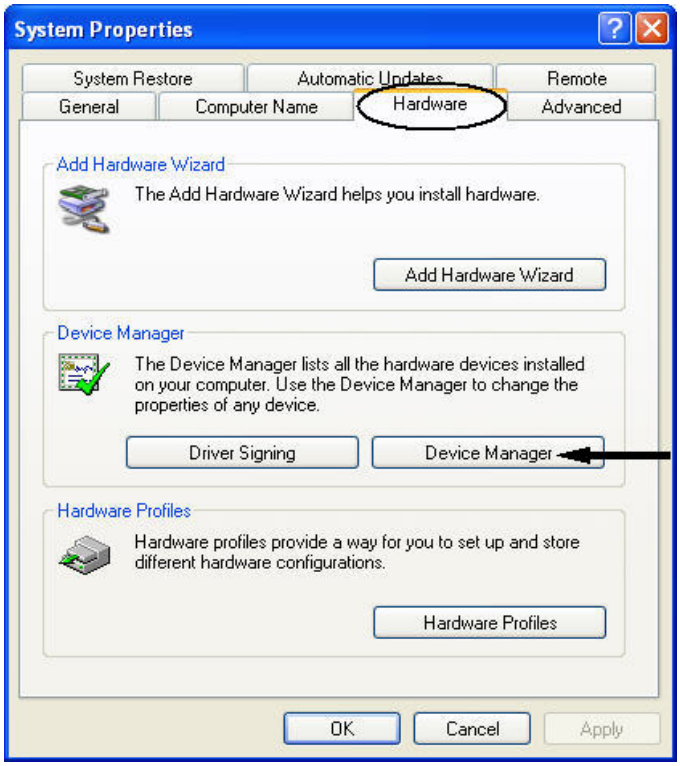
However, please ensure you have the latest Service Pack installed…

• Windows XP – Service Pack 1

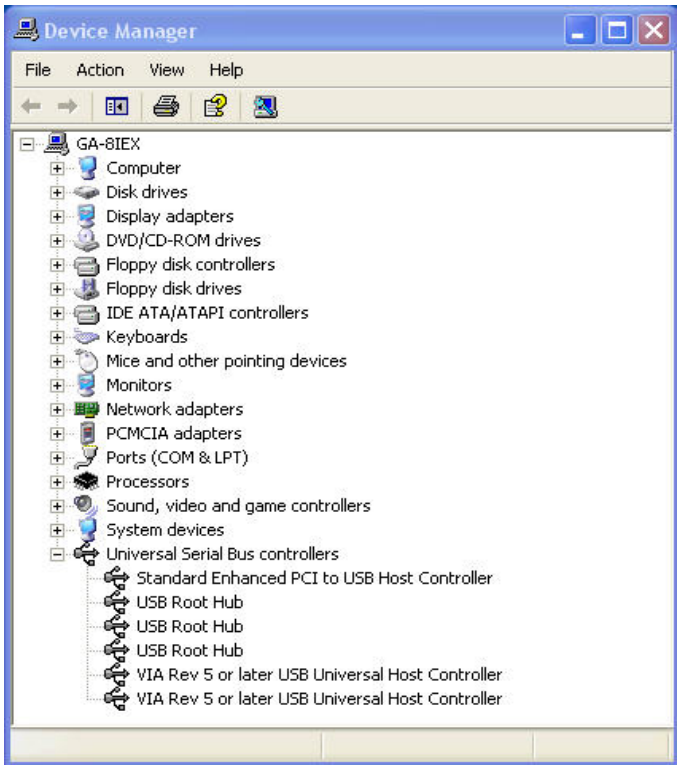
**Confirming the Installation of the Driver**

When you start the Notebook PC, the drivers are installed automatically by the Hardware Wizard. To confirm the driver Installation, follow the steps through.

1. Click **My Computer** with the right button of the mouse.
2. Select **Properties**.
3. You will see the screen below. Click the **Hardware** tab.
4. Click the **"Device Manager"** button.




5. Confirm there are no visible yellow "!" marks or red "X" marks in front of the **"Standard Enhanced PCI to USB Host Controller"**, **"USB Root Hub"**, **"USB Root Hub", "USB Root Hub", "VIA Rev 5 or later USB Universal Host Controller", "VIA Rev 5 later USB Universal Host Controller"** string under **Universal Serial Bus controllers.**



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